BARNES & THORNBURG

11 South Meridian Street Indianapolis, Indiana 46204 (317) 236-1313 (317) 231-7433 Fax

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| Group: | Unknown | } |
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| Confirmation No.: | Unknown | } |
| Application No.: | Unknown | } |
| Invention: | EXHAUST PROCESSOR WITH VARIABLE TUNING SYSTEM | } |
| Applicant: | Mehmet S. Ciray | } |
| Filed: | Herewith | } |
| Attorney Docket: | 9501-73878 | } } } |
| Examiner: | Unknown | } |

INFORMATION DISCLOSURE STATEMENT

MAIL STOP PATENT APPLICATION Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450

Sir:

This Statement is filed in the application identified above pursuant to 37 C.F.R. § 1.56. No representation is intended that a complete search has been made of the prior art or that no better art references than listed below are available. The filing of this Statement shall not be construed to be an admission that the information cited in the Statement is, or is considered to be, material to patentability as defined in §1.56(b).

None of the cited art is believed to disclose or suggest the invention recited in the claims of the above-identified application. It is therefore believed that the claimed invention is patentably distinguishable over these references.

Pursuant to 37 C.F.R. §1.98(d), copies of the references are not submitted herewith since the references were cited during prosecution of parent U.S. Application No. 10/068,693 which was filed February 6, 2002 and is relied upon for an earlier effective filing date under 35 U.S.C. § 120.

Please charge any fees that might be due in connection with this Information Disclosure Statement to our Deposit Account No. 10-0435 with reference to our matter 9501-73878.

Respectfully submitted,

BARNES & THORNBURG

Kevin D. Bailey

Attorney Reg. No.46531

KDB:jdh Indianapolis, IN (317) 231-7724

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| | U.S. PATENT | DOCUMENTS | | - | _ |
| *Examiner Document Nu | mber Date | Name | Class | Subclass | Filing Date if Appropriate |
| AA 5,930,371 | July 27, 1999 | Cheng et al. | | | |
| AB 4,539,947 | Sept. 10, 1985 | Sawada et al. | | | |
| AC 4,320,815 | Mar. 23, 1982 | Norris | | | |
| AD 3,969,895 | July 20, 1976 | Krizman | | | |
| AE 4,779,415 | Oct. 25, 1988 | Richardson et al. | | | |
| AF 6,178,745 B1 | Jan. 30, 2001 | Meusen | | | |
| AG 6,176,347 B1 | Jan. 23, 2001 | Chae et al. | | | |
| AH 6,173,808 B1 | Jan. 16, 2001 | Maeda et al. | | | |
| AI 6,158,546 | Dec. 12, 2000 | Hanson et al. | | | |
| AJ 6,105,716 | Aug. 22, 2000 | Morehead et al. | | | |
| AK 6,102,154 | Aug. 15, 2000 | Liu et al. | | | |
| | FOREIGN PATE | NT DOCUMENTS | 1 | | |
| Document Nur | nber Date | Country | Class | Subclass | Translation Yes No |
| AL JP403185210 | A Aug,1991 | Japan | | | |
| AM | | | | | |
| AN | | | | | |
| AO | | | | | |
| AP | | | | | |
| OTHER R | EFERENCES (Including Au | thor, Title, Date, Pertine | nt Pages, E | tc.) | |
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| | <u>. </u> | | U.S. PATENT DO | OCUMENTS | | | |
| *Examiner Initial | | Document Number | Date | Name | Class | Subclass | Filing Date if Appropriate |
| | BA | 6,069,840 | May 30, 2000 | Griffin et al. | | | |
| | ВВ | 5,984,045 | Nov. 16, 1999 | Maeda et al. | | | |
| | вс | 5,979,596 | Nov. 9, 1999 | Baker | | | |
| | BD | 5,921,081 | Jul. 13, 1999 | Kim | | | |
| | BE | 5,917,161 | Jun. 29, 1999 | Fuhrmann | | | |
| | BF | 5,821,474 | Oct. 13, 1998 | Olszok et al. | | | |
| | BG | 5,785,014 | Jul. 28, 1998 | Cornwell | | | |
| | вн | 5,744,762 | Apr. 28, 1998 | Seki et al. | | | |
| | BI | 5,739,483 | Apr. 14, 1998 | Yashiro et al. | | | |
| | BJ | 5,723,829 | Mar. 3, 1998 | Inomata et al. | | | |
| | ВК | 5,723,827 | Mar. 3, 1998 | Sasaki et al. | | | 1 |
| | | | FOREIGN PATENT | DOCUMENTS | <u> </u> | <u></u> | |
| | | Document Number | Date | Country | Class | Subclass | Translation Yes No |
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Sheet <u>3</u> of <u>6</u>

| U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | | ATTY. DOCKET 9501-738778 APPLICANT | NO. | SERIAL NO Unknown | O | | | |
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| U.S. PATENT DOCUMENTS | | | | | | | | | |
| *Examiner Initial | | Document Number | Date | Name | Class | Subclass | Filing Date if Appropriate | | |
| | CA | 5,712,454 | Jan. 27, 1998 | Ozawa et al. | | | | | |
| | СВ | 5,708,237 | Jan. 13, 1998 | Maeda et al. | | | | | |
| | CC | 5,692,374 | Dec. 2, 1997 | Seki et al. | | | | | |
| | CD | 5,655,367 | Aug. 12, 1997 | Peube et al. | | | | | |
| | CE | 5,621,656 | Apr. 15, 1997 | Langley | | | | | |
| | CF | 5,614,699 | Mar. 25, 1997 | Yashiro et al. | | | _ | | |
| | CG | 5,611,409 | Mar. 18, 1997 | Arseneau | | | | | |
| | СН | 5,475,189 | Dec. 12, 1995 | Field et al. | | | | | |
| | CI | 5,452,578 | Sept. 26, 1995 | Barber | | | | | |
| | CJ | 5,446,790 | Aug. 29, 1995 | Tanaka et al. | | | | | |
| | СК | 5,388,408 | Feb. 14, 1995 | Lawrence | | | | | |
| | | | FOREIGN PATENT | DOCUMENTS | • | • | • | | |
| | | Document Number | Date | Country | Class | Subclass | Translation Yes No | | |
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| U.S. PATENT DOCUMENTS | | | | | | | | |
| *Examiner Initial | | Document Number | Date | Name | Class | Subclass | Filing Date if Appropriate | |
| | DA | 5,317,112 | May 31, 1994 | Lee | | | | |
| | DB | 5,283,398 | Feb. 1, 1994 | Kotera et al. | | | | |
| | DC | 5,233,137 | Aug. 3, 1993 | Geddes | | | | |
| | DD | 5,189,266 | Feb. 23, 1993 | Sasaki et al. | | | | |
| | DE | 4,913,260 | Apr. 3, 1990 | Fallon | | | | |
| | DF | 4,903,486 | Feb. 27, 1990 | Finkle | | | | |
| | DG | 4,901,528 | Feb. 20, 1990 | Saigo et al. | | | | |
| | DH | 4,867,768 | Sept. 19, 1989 | Wagner et al. | | | | |
| | DI | 4,866,933 | Sept 19, 1989 | Kao | | | | |
| | DJ | 4,858,722 | Aug. 22, 1989 | Abbe et al. | | | | |
| | DK | 4,715,472 | Dec. 29, 1987 | McKee | | - | | |
| | • | | FOREIGN PATENT | DOCUMENTS | | | • | |
| | | Document Number | Date | Country | Class | Subclass | Translation Yes No | |
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| *Examiner Initial | | Document Number | Date | | Name | Class | Subclass | Filing Date if Appropriate |
| | EA | 4,699,244 | Oct. 13, 1987 | Ве | rgquist et al. | | | |
| | EB | 4,665,692 | May 19, 1987 | Ina | aba | | | |
| | EC | 4,607,723 | Aug. 26, 1986 | Ok | azaki | | | |
| | ED | 4,537,279 | Aug. 27, 1985 | Va | n Heeckeren | | | |
| | EE | 4,484,659 | Nov. 27, 1984 | Bu | chwalder | | | |
| | EF | 4,192,401 | Mar. 11, 1980 | De | eaver et al. | | | |
| | EG | 3,620,330 | Nov. 16, 1971 | Ha | ıll | | | |
| | EH | 5,502,283 | Mar 1996 | Uta | aki et al. | | | |
| | EI | 6,349,541B1 | Feb. 2002 | Gr | uden et al. | | | |
| | EJ | 6,508,331B1 | Jan. 2003 | Stu | uart | | | |
| | EK | 5,493,857A | Feb. 1996 | Ko | matsuda et al. | | | |
| | | | FOREIGN PATEN | NT D | OCUMENTS | | | |
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| *Examiner Initial | | Document Number | Date | | Name Class | | Subclass | Filing Date if Appropriate |
| | FA | 3,613,830 | Oct. 1971 | Ηι | ıbbell | | | |
| | FB | 5,946,908A | Sept. 1999 | Mo | otoyama et al. | | | |
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